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APPLICATION NO.	APPLICATION NO. FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/788,421	03/01/2004		John Gaughan	044499-0197	4963	
22428	7590	11/08/2005		EXAMINER		
	ND LARI	DNER LLP	LEJA, RONALD W			
SUITE 500 3000 K STR	EET NW		ART UNIT	PAPER NUMBER		
WASHINGTON, DC 20007				2836		
				DATE MAILED: 11/08/2005		

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)		$\overline{\ }$				
	10/788,421	GAUGHAN, JOHN	۷) ۱	w				
Office Action Summary	Examiner	Art Unit	——————————————————————————————————————					
	Ronald W. Leja	2836						
The MAILING DATE of this communication appears on the cover sheet with the correspondence address eriod for Reply								
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).								
Status								
1) Responsive to communication(s) filed on <u>02 Seconds</u> 2a) This action is <b>FINAL</b> . 2b) This 3) Since this application is in condition for allowed closed in accordance with the practice under Example 2.	action is non-final.  nce except for formal matters, pro		e merits is					
Disposition of Claims								
4) ☐ Claim(s) 1-15 is/are pending in the application 4a) Of the above claim(s) is/are withdray 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-15 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or	wn from consideration.							
Application Papers								
9) The specification is objected to by the Examiner.  10) The drawing(s) filed on <u>01 March 2004</u> is/are: a) accepted or b) objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
Priority under 35 U.S.C. § 119								
<ul> <li>12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).</li> <li>a) All b) Some * c) None of:</li> <li>1. Certified copies of the priority documents have been received.</li> <li>2. Certified copies of the priority documents have been received in Application No</li> <li>3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).</li> <li>* See the attached detailed Office action for a list of the certified copies not received.</li> </ul>								
Attachment(s)    Notice of References Cited (PTO-892)   Notice of Draftsperson's Patent Drawing Review (PTO-948)   Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)   Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal F 6) Other:	ate	0-152) ·					

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Claims 5 and 9 are objected to because of the following informalities: Claim 5 appears to positively claim the same diode found within Claim 1, from which it depends. There does not appear to be a "period" at the end of Claim 9. Appropriate correction is required.

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1, 3, 4, 8, 9, 11 and 15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Souri et al. (6,188,556) in view of Miller, Jr. (3,684,924).

Souri et al. disclose in Figure 3B a surge suppression circuit having a complementary Darlington pair with a resistor connected between the emitter of the first transistor (PNP) and the base of the second transistor (NPN), but does not appear to disclose the use of a diode. However, Miller, Jr. teaches the use of a diode (42) being connected to the input of the surge suppression circuit (62) and connected to one end of the resistor (76) (for Claim 11) (see Figure 1). It is the opinion of the Examiner that it would have been obvious to incorporate the teachings of the use of diode (42) as a means to offer protection against the transfer of energy due to inadvertent application of reverse or wrong polarity on the input, thereby increasing overall protection to the load.

Claims 2, 5-7, 10 and 12-14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Souri et al. in view of Miller, Jr. as applied to claims 1, 8 and 9 above, and further in view of Johnson (4,576,135).

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These set of claims add the use of a zener diode being connected to the base of the second transistor and ground. Claim 7 adds the use of a capacitor. Johnson teaches a circuit (66) for offering protection against undesired voltage levels, wherein the circuit includes the use of a Darlington pair and a zener diode (78) being connected to the base of the second transistor and ground. It would have been obvious to incorporate the use of the zener diode as a means to help regulate any excess voltages being applied to the input, thereby once again further increasing the level of protection to a connected load, resulting in increased system reliability. The use of a capacitor would have been obvious as a means to adjust response times to a short-circuit condition, thereby helping to prevent nuisance trippings due to momentarily shorted load conditions, resulting in increased system reliability.

Applicant's arguments with respect to the claims have been considered but are most in view of the new ground(s) of rejection.

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date

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of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ronald W. Leja whose telephone number is (571)272-2053. The examiner can normally be reached on Monday thru Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Brian Sircus can be reached on (571)272-2800. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Ronald W Leja Primary Examiner Art Unit 2836

rwl November 6, 2005